

Fig.1

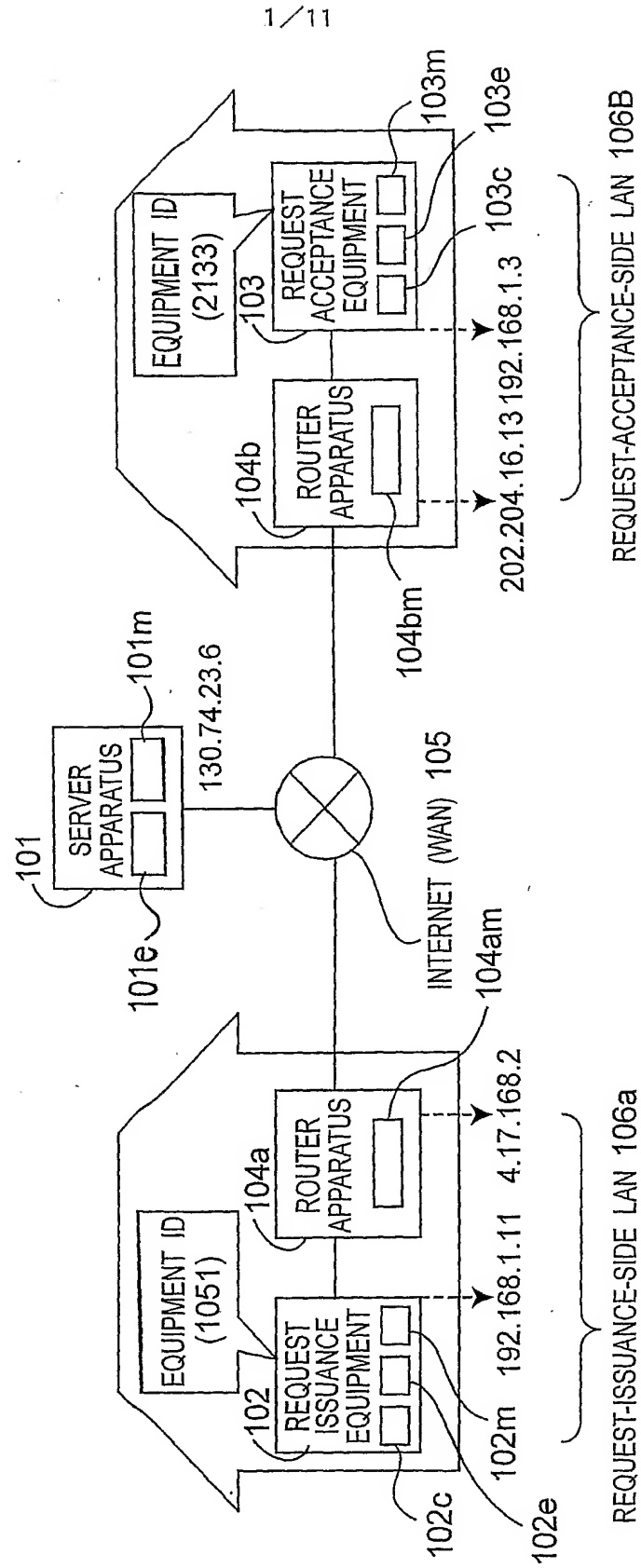


Fig. 2

2/11

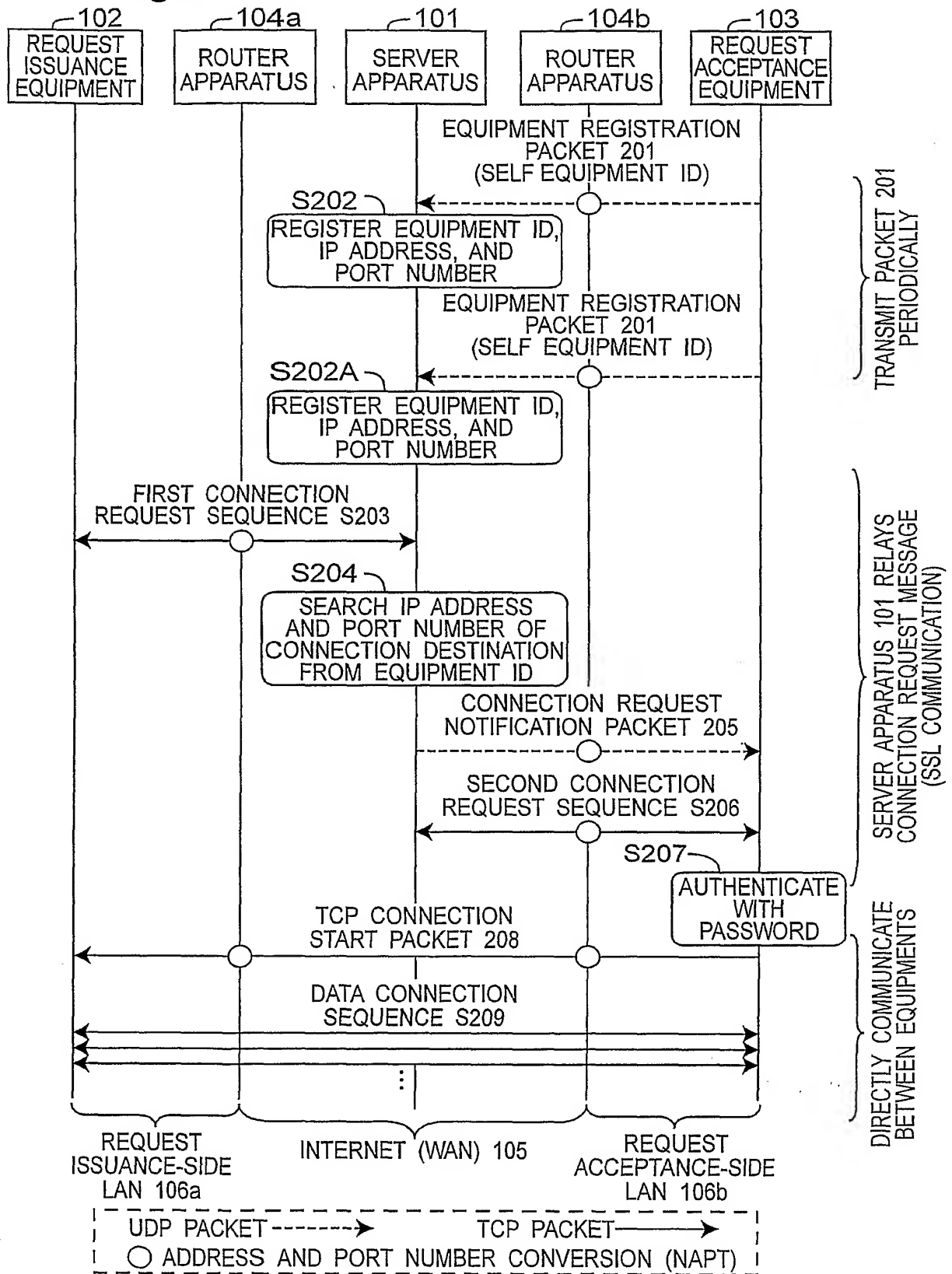
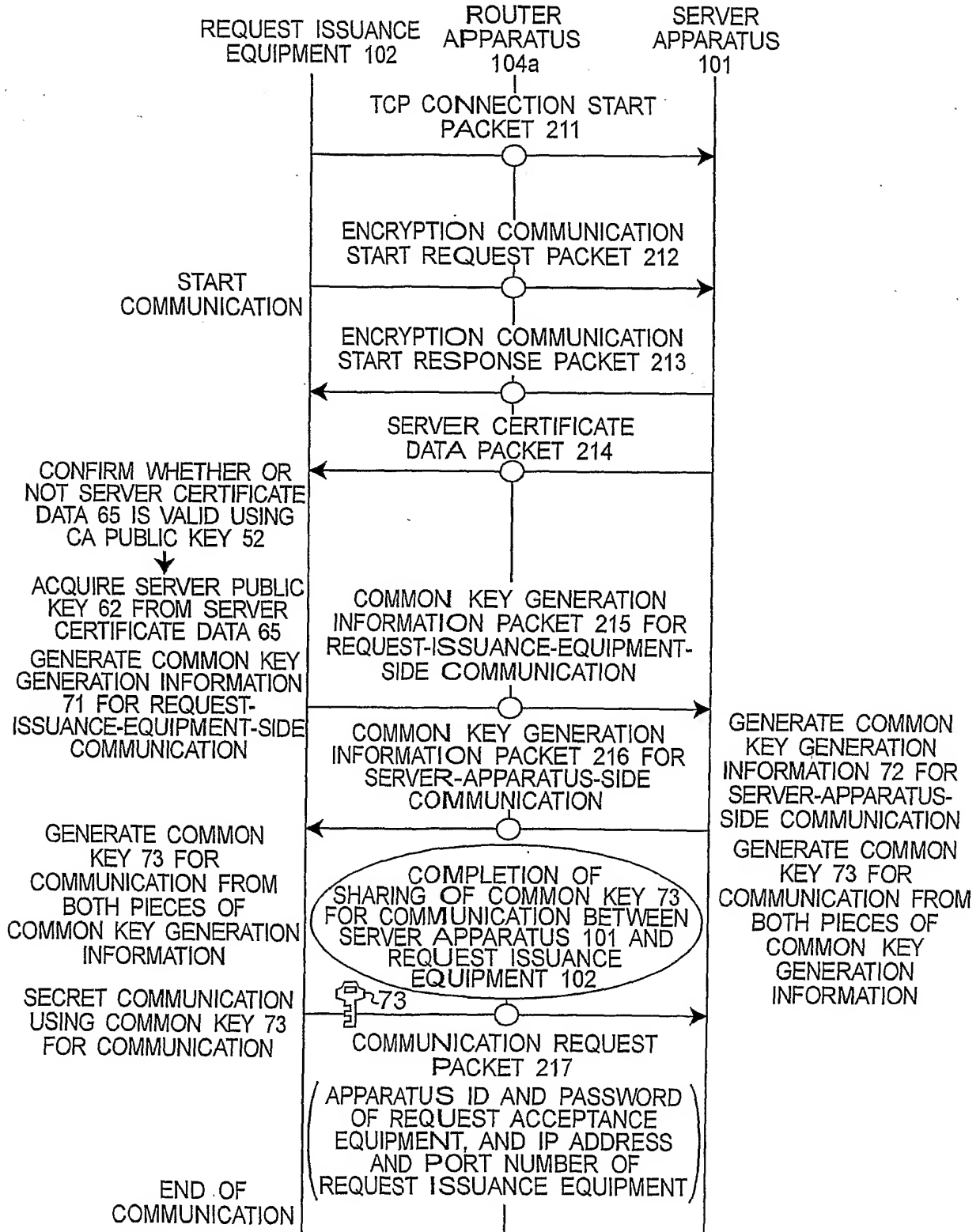


Fig. 3

3/11

FIRST CONNECTION REQUEST SEQUENCE S203



4/11

Fig. 4

SECOND CONNECTION REQUEST SEQUENCE S206

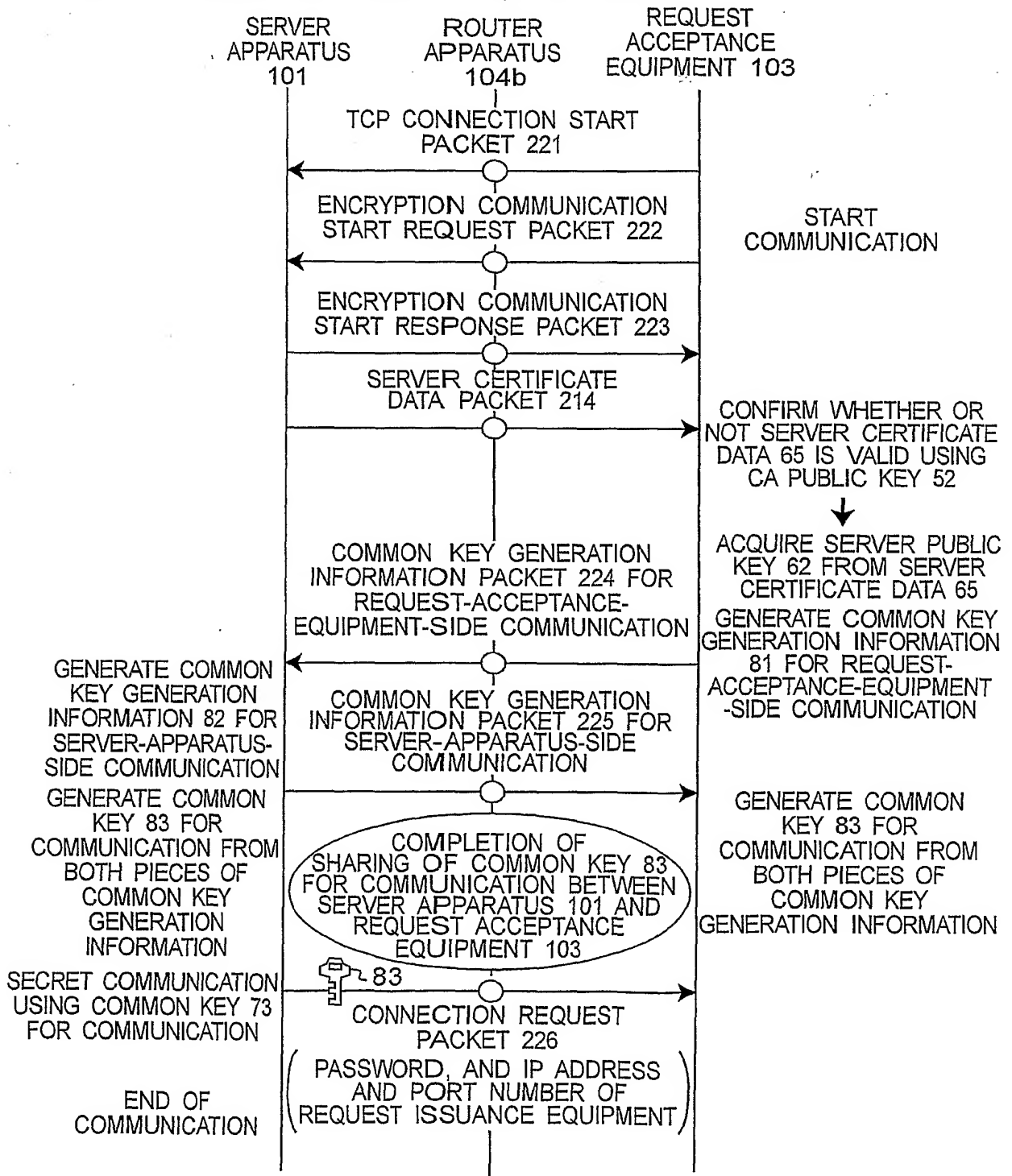


Fig. 5

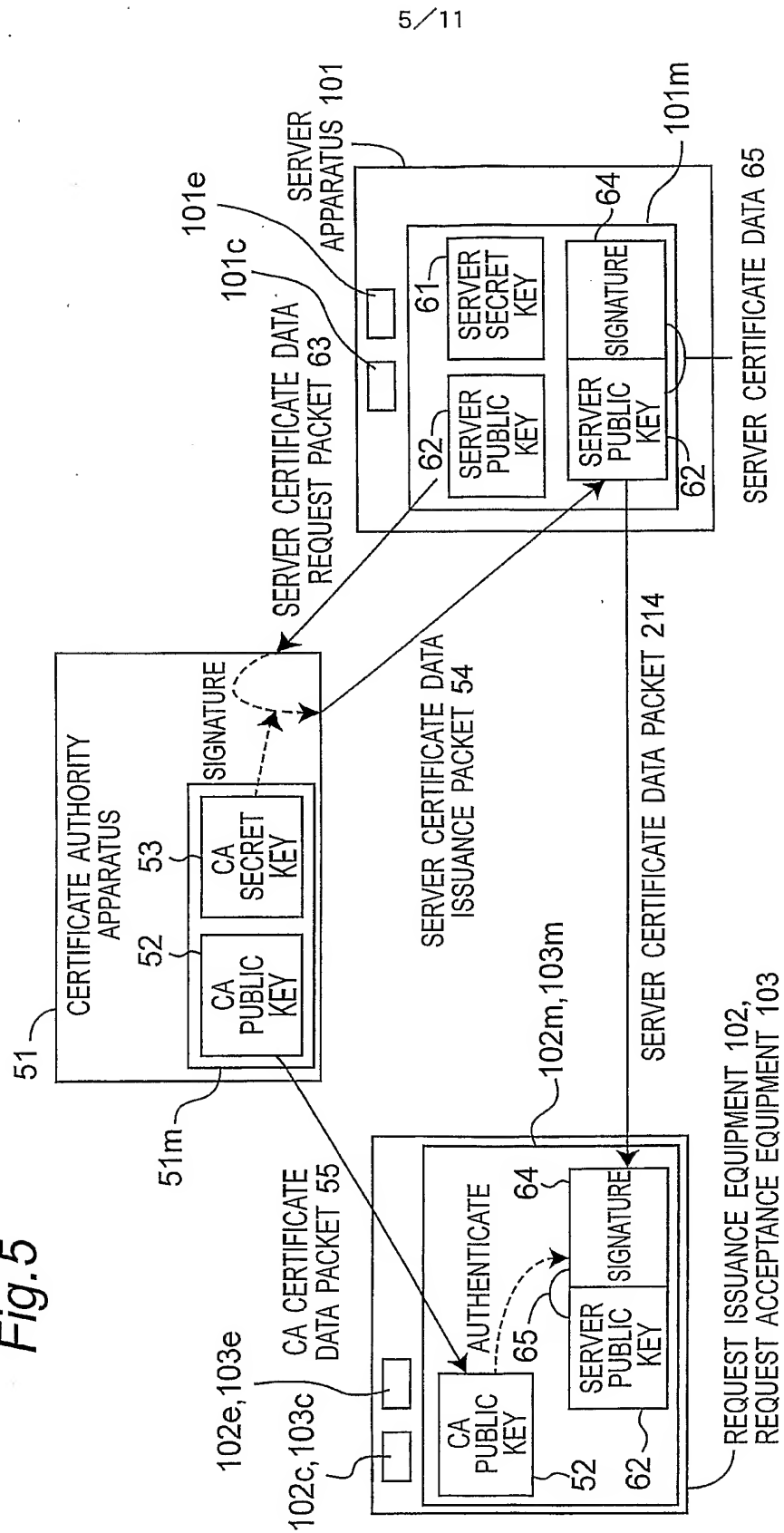


Fig.6

104am

LAN EQUIPMENT ADDRESS	WAN ROUTER ADDRESS	LAN EQUIPMENT PORT NUMBER	WAN ROUTER PORT NUMBER	
192.168.1.11	4.17.168.2	1500	7000	FOR TCP COMMUNICATION WITH SERVER APPARATUS 101
192.168.1.11	4.17.168.2	1600	5000	FOR TCP COMMUNICATION WITH REQUEST ACCEPTANCE EQUIPMENT 103
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*Fig. 7A*EQUIPMENT REGISTRATION
PACKET 201 (LAN SIDE)

SA= 192.168.1.3
DA= 130.74.23.6
SP= 2000
DP= 1200
EQUIPMENT ID OF REQUEST ACCEPTANCE EQUIPMENT 103 (2133)

SA: SOURCE ADDRESS FIELD
 DA: DESTINATION ADDRESS FIELD
 SP: SOURCE PORT NUMBER FIELD
 DP: DESTINATION PORT NUMBER FIELD

*Fig. 7B*EQUIPMENT REGISTRATION
PACKET 201 (WAN SIDE)

SA= 202.204.16.13
DA= 130.74.23.6
SP= 3400
DP= 1200
EQUIPMENT ID OF REQUEST ACCEPTANCE EQUIPMENT 103 (2133)

SA: SOURCE ADDRESS FIELD
 DA: DESTINATION ADDRESS FIELD
 SP: SOURCE PORT NUMBER FIELD
 DP: DESTINATION PORT NUMBER FIELD

*Fig. 7C*CONNECTION REQUEST
PACKET 217 (LAN SIDE)

SA= 192.168.1.11
DA= 130.74.23.6
SP= 1500
DP= 1201
EQUIPMENT ID OF REQUEST ACCEPTANCE EQUIPMENT 103 (2133)
PASSWORD OF REQUEST ACCEPTANCE EQUIPMENT 103
IP ADDRESS OF REQUEST- ISSUANCE-SIDE LAN 106a (4.17.168.2)
PORT NUMBER OF REQUEST- ISSUANCE-SIDE LAN 106a (5000)

SA: SOURCE ADDRESS FIELD
 DA: DESTINATION ADDRESS FIELD
 SP: SOURCE PORT NUMBER FIELD
 DP: DESTINATION PORT NUMBER FIELD

*Fig. 7D*CONNECTION REQUEST
PACKET 217 (WAN SIDE)

SA= 4.17.168.2
DA= 130.74.23.6
SP= 7000
DP= 1201
EQUIPMENT ID OF REQUEST ACCEPTANCE EQUIPMENT 103 (2133)
PASSWORD OF REQUEST ACCEPTANCE EQUIPMENT 103
IP ADDRESS OF REQUEST- ISSUANCE-SIDE LAN 106a (4.17.168.2)
PORT NUMBER OF REQUEST- ISSUANCE-SIDE LAN 106a (5000)

SA: SOURCE ADDRESS FIELD
 DA: DESTINATION ADDRESS FIELD
 SP: SOURCE PORT NUMBER FIELD
 DP: DESTINATION PORT NUMBER FIELD

Fig. 8A

CONNECTION REQUEST NOTIFICATION
PACKET 205 (LAN SIDE)

SA= 130.74.23.6
DA= 192.168.1.3
SP= 1200
DP= 2000
CONNECTION REQUEST NOTIFICATION FLAG

SA: SOURCE ADDRESS FIELD
DA: DESTINATION ADDRESS FIELD
SP: SOURCE PORT NUMBER FIELD
DP: DESTINATION PORT NUMBER FIELD

Fig. 8B

CONNECTION REQUEST NOTIFICATION
PACKET 205 (WAN SIDE)

SA= 130.74.23.6
DA= 202.204.16.13
SP= 1200
DP= 2400
CONNECTION REQUEST NOTIFICATION FLAG

SA: SOURCE ADDRESS FIELD
DA: DESTINATION ADDRESS FIELD
SP: SOURCE PORT NUMBER FIELD
DP: DESTINATION PORT NUMBER FIELD

Fig. 8C

CONNECTION REQUEST
PACKET 226 (LAN SIDE)

SA= 130.74.23.6
DA= 192.168.1.3
SP= 1300
DP= 2600
PASSWORD OF REQUEST ACCEPTANCE EQUIPMENT 103
IP ADDRESS OF REQUEST- ISSUANCE-SIDE LAN 106a (4.17.168.2)
PORT NUMBER OF REQUEST- ISSUANCE-SIDE LAN 106a (5000)

SA: SOURCE ADDRESS FIELD
DA: DESTINATION ADDRESS FIELD
SP: SOURCE PORT NUMBER FIELD
DP: DESTINATION PORT NUMBER FIELD

Fig. 8D

CONNECTION REQUEST
PACKET 226 (WAN SIDE)

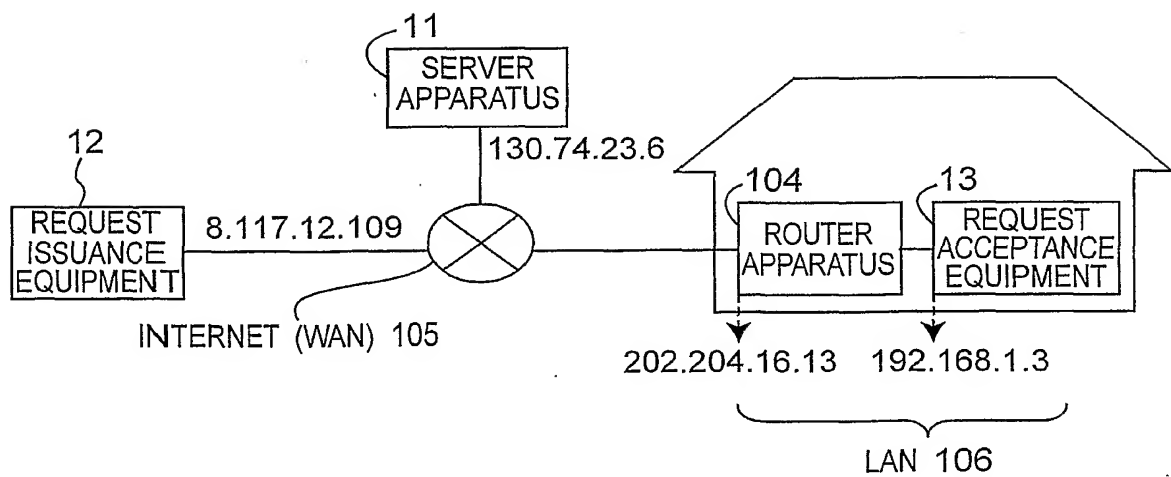
SA= 130.74.23.6
DA= 202.204.16.13
SP= 1300
DP= 2401
PASSWORD OF REQUEST ACCEPTANCE EQUIPMENT 103
IP ADDRESS OF REQUEST- ISSUANCE-SIDE LAN 106a (4.17.168.2)
PORT NUMBER OF REQUEST- ISSUANCE-SIDE LAN 106a (5000)

SA: SOURCE ADDRESS FIELD
DA: DESTINATION ADDRESS FIELD
SP: SOURCE PORT NUMBER FIELD
DP: DESTINATION PORT NUMBER FIELD

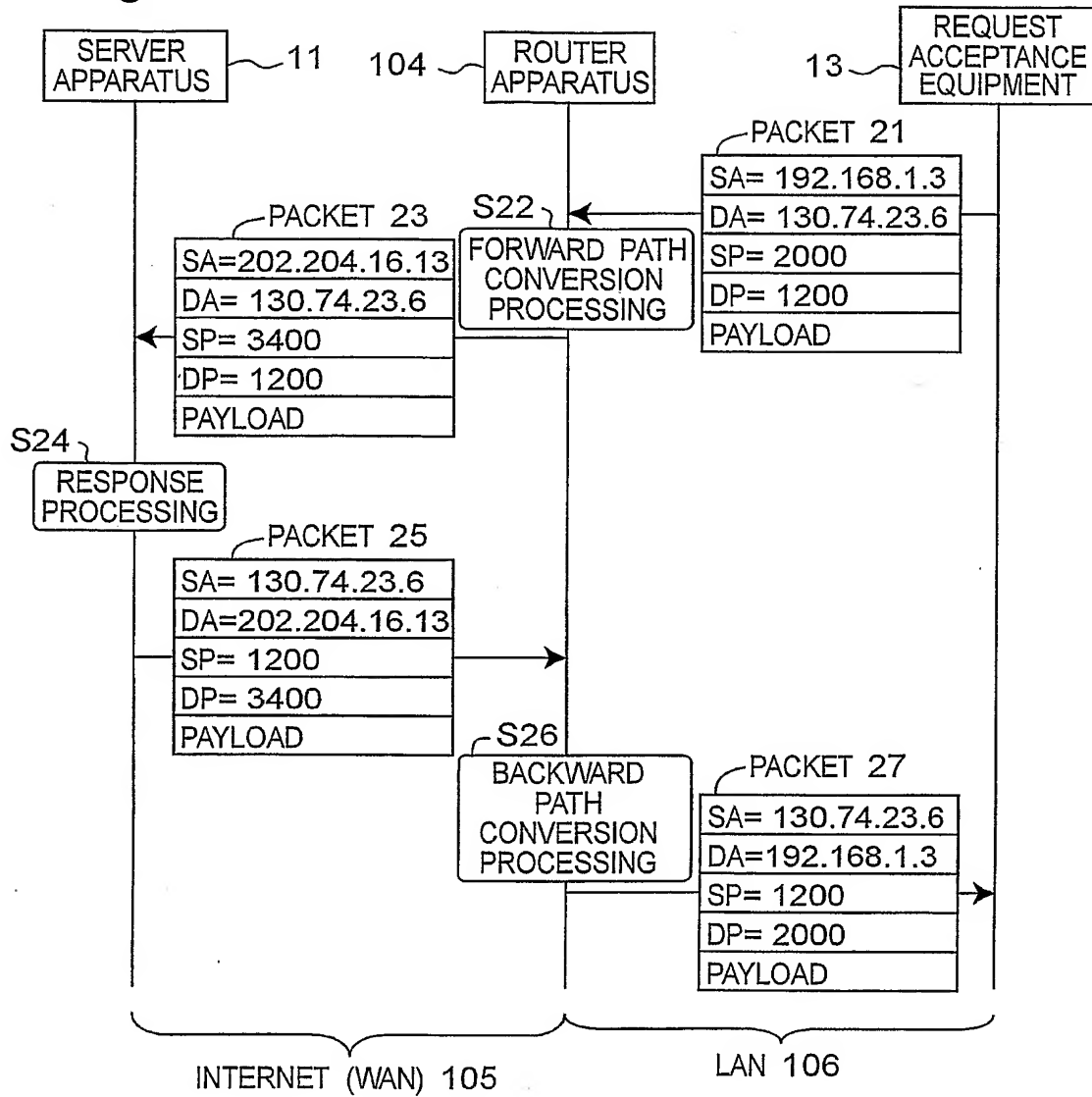
Fig.9

101m

EQUIPMENT ID	IP ADDRESS	PORT NUMBER
2133	202.204.16.13	3400
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Fig.10

10/11

Fig. 11*Fig. 12*

LAN EQUIPMENT ADDRESS	WAN ROUTER ADDRESS	LAN EQUIPMENT PORT NUMBER	WAN ROUTER PORT NUMBER
192.168.1.3	202.204.16.13	2000	3400
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11/11

Fig. 13

